

UNITED STATES PATENT AND TRADEMARK OFFICE

ENITED STATES DEPARTMENT OF COMMERCE Enited States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.usplo.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/070,979	05/31/2002	Pierre Dournel	S-99/37	4774
759	90 01/25/2005		EXAMINER	
Connolly Bove			KUHNS, ALLAN R	
Lodge & Hutz PO Box 2207			ART UNIT	PAPER NUMBER
Wilmington, DI	E 19899-2207		1732	•
			*	

DATE MAILED: 01/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			MA
	Application No.	Applicant(s)	
	10/070,979	DOURNEL, PIERRE	
Office Action Summary	Examiner	Art Unit	
	Allan Kuhns	1732	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence addre	:ss
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailling date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	1. 1.136(a). In no event, however, may a eply within the statutory minimum of thind will apply and will expire SIX (6) MOI ute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	nunication.
Status .			
1) Responsive to communication(s) filed on 15	October 2004.		
2a) This action is FINAL . 2b) ⊠ Th	nis action is non-final.		
3) Since this application is in condition for allow	rance except for formal mat	ters, prosecution as to the m	erits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.E). 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 14-31 is/are pending in the application	ion.		•
4a) Of the above claim(s) is/are withdr	rawn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>14-31</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and	or election requirement.		
Application Papers			
9) The specification is objected to by the Examir	ner.		
10) The drawing(s) filed on is/are: a) ac		by the Examiner.	
Applicant may not request that any objection to the	•	•	
Replacement drawing sheet(s) including the corre			1.121(d).
11) The oath or declaration is objected to by the I	Examiner. Note the attache	d Office Action or form PTO-	152.
Priority under 35 U.S.C. § 119	:		
12) Acknowledgment is made of a claim for foreig	on priority under 35 U.S.C.3	§ 119(a)-(d) or (f)	
a) All b) Some * c) None of:	gri priority ariabi ob o.o.o.	3 (a) (a) o. (.).	
1. Certified copies of the priority docume	nts have been received.		
2. Certified copies of the priority docume		Application No	
3. Copies of the certified copies of the pri			age
application from the International Bure			J
* See the attached detailed Office action for a list		received.	
Attachment(s)			
1) Notice of References Cited (PTO-892)		Summary (PTO-413)	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 121704. 		(s)/Mail Date Informal Patent Application (PTO-15 	i2)

Art Unit: 1732

1.Claims 28, 30 and 31 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. These claims are indefinite since there is no temperature scale given. Clarification is required.

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14-20 and 22-23 are rejected under 35 U.S.C. 102(b) as being anticipated by Smith et al. (5,276,063). Smith et al. disclose the claimed process and composition for manufacturing a closed cell foam in which a blowing agent comprising 1,1-difluoroethane and 1,1,1,2-tetrafluoroethane is employed. Note column 3, lines 9-68.

Smith et al. teach the weight ratios of claims 15-17 and 22-23, an alcohol, as in claims 18-19 (column 3, line 25) and the specific alcohols of claim 20.

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4.Claims 24-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Smith et al. (5,276,063). Smith et al. disclose the formation of a closed cell polystyrene

Application/Control Number: 10/070,979

Art Unit: 1732

foam, and the examiner takes Official Notice that it is known to produce thermal insulating panels from polystyrene foam having the physical characteristics of claims 24-31.

5.Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over WO 96/34038 (Shmidt et al). Shmidt et al. disclose a composition comprising 1,1-difluoroethane, 1,1,1,2-tetrafluoroethane and carbon dioxide at page 2, lines 1-4. It would have been obvious to one of ordinary skill in the art to formulate the composition within the claimed weight ratio range, based on examples given by Shmidt et al., in order to form an evacuated or vacuum insulation panel.

6.Applicants' arguments filed Ovtober 15, 2004 have been fully considered but they are not persuasive. Applicants' arguments are considered to be moot by the examiner based on the revised grounds of rejection introduced in this Office action.

7.The declaration filed on October 15, 2004 under 37 CFR 1.131 is sufficient to overcome the Mason et al. (6,197,233) reference.

8.Any inquiry concerning this communication or earlier communications from the examiner should be directed to Allan Kuhns whose telephone number is (571) 272-1202. The examiner can normally be reached on Monday to Thursday from 7:00 to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jan Silbaugh, can be reached on (571) 272-1196. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/070,979

Art Unit: 1732

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ALLAN R. KUHNS

PRIMARY EXAMINER AU 1732

1-5-05